

## AMENDMENTS TO THE CLAIMS

This listing of the claims replaces all prior versions, and listings, of claims in the application:

### LISTING OF CLAIMS

1. Cancelled.
2. Cancelled.
3. (Currently amended) The test plug tool as claimed in claim 2  
5 further comprising a fluid passage that permits  
pressurized fluid injected into the wellhead stack assembly  
to flow through the hanger flange.
4. Cancelled.
5. (Currently amended) A test plug tool for use in testing a  
pressure integrity of a pressure control stack mounted to a  
wellhead, including testing the pressure integrity of a  
joint between a casing and a casing support that secures  
the casing to a wellhead stack assembly, the test plug tool  
providing a high pressure seal with the casing below the  
joint between the casing and the casing support, the test  
plug tool comprising a test plug hanger and a test plug,  
the test plug hanger including a hanger flange at a top end  
thereof and a test plug support leg that depends from the  
hanger flange and includes a bottom end for supporting the  
test plug in the casing, wherein the test plug comprises a  
cup tool and ~~The test plug tool as claimed in claim 4~~  
~~wherein the cup tool comprises a cup sleeve that terminates~~  
in a bullnose for guiding the test plug through the  
wellhead stack assembly.

6. **(Currently amended)** The test plug tool as claimed in claim 4 5 wherein the cup tool comprises an elastomeric cup for sealing against the casing, an annular sealing element compressed against the casing by the elastomeric cup, and a gauge ring to inhibit the sealing element from being extruded into an annulus between the casing and ~~a~~ the bullnose that terminates the cup ~~tool~~ sleeve.
7. **(Currently amended)** The test plug tool as claimed in claim 2 5 wherein the test plug leg is hollow to reduce a weight of the test plug tool.
8. **(Currently amended)** The test plug tool as claimed in claim 2 5 further comprising a landing joint connector located above the hanger flange.
9. **(Original)** The test plug tool as claimed in claim 8 wherein the landing joint connector comprises a socket with a box thread for receiving a pin thread of one of a drill pipe, a production tubing, and a landing joint.
10. **(Currently amended)** A test plug tool for use in testing a pressure integrity of a pressure control stack mounted to a wellhead, including testing the pressure integrity of a joint between a casing and a casing support that secures the casing to a wellhead stack assembly, the test plug tool providing a high pressure seal with the casing below the joint between the casing and the casing support, the test plug tool comprising a test plug hanger and a test plug, the test plug hanger including a hanger flange at a top end thereof and a test plug support leg that depends from the hanger flange and includes a bottom end for supporting the test plug in the casing, ~~The test plug as claimed in claim 2~~ wherein the hanger flange is received in a top end of a

drilling flange and has beveled top corners engaged by locking pins of the drilling flange to lock the test plug tool in the wellhead stack assembly.

11. (Original) The test plug tool as claimed in claim 5 wherein the cup sleeve is a hollow cylinder.

12. Cancelled.

13. Cancelled.

14. Cancelled.

15. Cancelled.

16. Cancelled.

17. Cancelled.

18. Cancelled.

19. Cancelled.

20. Cancelled.

21. Cancelled.

22. Cancelled.

23. Cancelled.

24. (Currently amended) A method for testing a pressure integrity of a pressure control stack mounted to a wellhead, comprising:

inserting a test plug into a wellhead stack assembly and testing the pressure integrity of a joint between a casing and a casing support that secures the casing to

the wellhead stack assembly using a test plug tool,  
which provides a high pressure seal with the casing  
below the joint between the casing and the casing  
support; ~~The method as claimed in claim 23, further~~  
~~comprising:~~

inserting the test plug tool using a landing tool;  
landing the test plug in the casing beneath the joint  
between the casing and the casing support;  
locking the test plug tool in a position in which the test  
plug is beneath the joint between the casing and the  
casing support;  
detaching the landing tool from the test plug tool;  
retracting the landing tool from the wellhead stack  
assembly;  
injecting test fluid to pressurize the wellhead stack  
assembly to at least an estimated operating pressure;  
and  
inspecting seals and joints of the wellhead stack assembly,  
including the joint between the casing and the casing  
support, to determine whether any test fluid is leaking  
from the seals and joints.

25. **(Previously presented)** The method as claimed in claim 24  
wherein the casing comprises a surface casing and the  
casing support comprises a wellhead.
26. **Cancelled.**
27. **Cancelled.**

28. **(Previously presented)** The method as claimed in claim 24 further comprising:

inserting the test plug tool through a blowout preventer mounted to the wellhead stack assembly; and  
injecting test fluid to pressure test rams of the blowout preventer as well as the wellhead stack assembly.

29. **Cancelled.**

30. **Cancelled.**

31. **(Currently amended)** A test plug tool for use in testing a pressure integrity of a pressure control stack mounted to a wellhead, including testing the pressure integrity of a joint between a casing and a casing support that secures the casing to the wellhead stack assembly, the test plug tool comprising:

a test plug hanger for suspending the test plug tool in the pressure control stack, the test plug hanger including a fluid passage to permit test fluid to pass therethrough,~~The test plug tool as claimed in claim 30 wherein~~ the test plug hanger comprises—further comprising a hanger flange that extends laterally from a hanger socket and has a beveled top edge that is locked in place in the wellhead stack assembly by locking pins of the wellhead stack assembly after the test plug tool is inserted into the wellhead stack assembly, so that the test plug tool is restrained from upward movement—;

a test plug leg connected to an underside of the test plug hanger; and

a test plug connected to a bottom end of the test plug leg,  
the test plug having a sealing element for providing a  
high-pressure fluid seal with the casing when the test  
fluid is injected into the wellhead stack assembly.

32. **(Previously presented)** The test plug tool as claimed in claim 31 wherein the fluid passage comprises a fluid passage through the hanger flange.
33. **Cancelled.**
34. **Cancelled.**
35. **Cancelled.**
36. **Cancelled.**
37. **(New)** The test plug tool as claimed in claim 31 wherein the test plug comprises a cup tool.
38. **(New)** The test plug tool as claimed in claim 37 wherein the cup tool comprises a bullnose at the bottom end a cup sleeve, the cup sleeve having an outer diameter less than that of the bullnose.
39. **(New)** The test plug tool as claimed in claim 38 wherein a top surface of the bullnose forms an annular shoulder that supports a metal gauge ring dimensioned to support an elastomeric sealing element and to inhibit the elastomeric sealing element from extruding between the casing and the bullnose when the test plug tool is exposed to elevated fluid pressures.
40. **(New)** The test plug tool as claimed in claim 39 wherein the elastomeric sealing element forms a fluid seal with the

casing when compressed by an elastomeric cup that is supported directly above the elastomeric sealing element.

41. (New) The test plug tool as claimed in claim 40 wherein the elastomeric cup is bonded to a steel ring that slides over the cup sleeve.
  42. (New) The test plug tool as claimed in claim 31 wherein the test plug leg is integrally formed with the hanger flange.
  43. (New) The test plug tool as claimed in claim 42 wherein the test plug leg is hollow.
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